# COMPLIANCE INFORMATION

**UL Listed**
**C-UL Listed (Canada)**
**CISPR/EN55022 Class A**

### FCC Regulations

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at the user's own expense.

### Canadian Regulations

This digital apparatus does not exceed the Class A limits for radio noise for digital apparatus set out on the radio interference regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

### European Regulations

**Warning**

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

**Achtung !**

Dieses ist ein Gerät der Funkstörgrenzwertklasse A. In Wohnbereichen können bei Betrieb dieses Gerätes Rundfunkstörungen auftreten, in weichen Fällen der Benutzer für entsprechende Gegenmaßnahmen werantwortlich ist.

**Attention !**

Ceci est un produit de Classe A. Dans un environment domestique, ce produit risque de créer des interférences radioélectriques, il appartiendra alors à l'utilsateur de prende les measures spécifiques appropriées

### Trademark Notice

All registered trademarks and trademarks are the property of their respective owners.

### Copyright Restrictions

© 2001 TRANSITION Networks.
All rights reserved. No part of this work may be reproduced or used in any form or by any means – graphic, electronic, or mechanical – without written permission from TRANSITION Networks.

Printed in the U.S.A. 33213.A

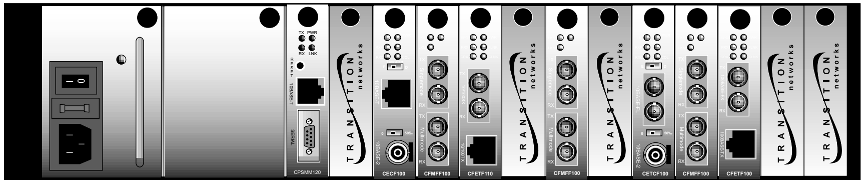
---

TRANSITION networks

# 48-VDC
## *Slide-In-Module Power Supply*
## CPSMP-130
# USER'S GUIDE

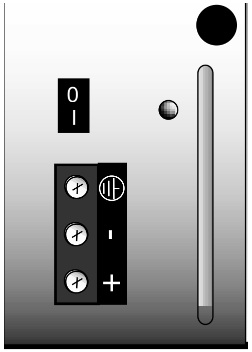
The TRANSITION Networks 48-VDC Slide-In Module Power Supply, to be installed at the front of the *PointSystem*™ CPSMC1300 13-Slot Network Media Conversion Center, supplies optional, redundant power to the Media Conversion Center and to installed Media Converter Slide-in-Modules, including an optional SNMP Management Module.

NOTE: The standard CPSMC1300 is shipped, as shown, with one (1) AC Slide-In Module Power Supply installed at the front of the CPSMC1300 cabinet and with a protective plate covering an installation slot intended for a second, optional Slide-In Module Power Supply.



Look for the following on the 48-VDC Slide-In-Module Power Supply:

- An **ON/OFF** *switch* that can be set to **I** to allow the 48-VDC Slide-In-Module Power Supply to power the Media Conversion Center and installed Slide-in-Modules
- A power LED indicator
- A 3-position terminal block: +48 to "**+**", -48 to "**-**", chassis ground to third location.



NOTE: A *fuse* is installed in a fuseholder located on a 48-VDC Slide-In-Module Power Supply internal circuit board.

Installing/ Replacing 48-VDC Slide-In-Module Power Supply ..2
Replacing 48-VDC Slide-In-Module Power Supply Fuse ........4
Connecting 48-VDC Slide-In-Module Power Supply to External Power........................................6
Technical Specifications.............7
Compliance Information.............8

# INSTALLING/REPLACING 48-VDC SLIDE-IN-MODULE POWER SUPPLY

**WARNING: DO NOT CONNECT SLIDE-IN-MODULE POWER SUPPLY TO EXTERNAL POWER BEFORE INSTALLING IN MEDIA CONVERSION CENTER. FAILURE TO OBSERVE THIS CAUTION COULD RESULT IN EQUIPMENT DAMAGE AND/OR PERSONAL INJURY OR DEATH.**

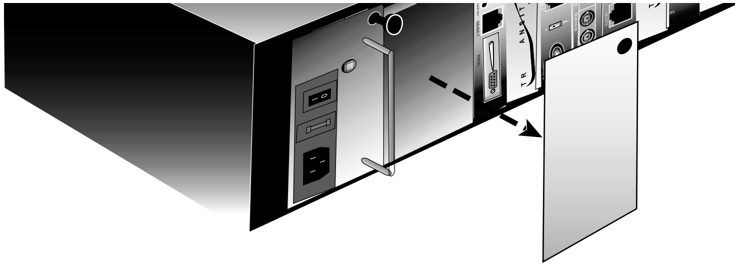
**CAUTION: Wear a grounding device and observe electrostatic discharge precautions when setting configuration switch and when installing Slide-In-Module Power Supply in Media Conversion Center. Failure to observe this caution could result in damage to, and subsequent failure of, Slide-In-Module Power Supply.**

**CAUTION: Ensure that ON/OFF switch on Slide-In-Module Power Supply AND ON 48-VDC POWER SOURCE are set to “OFF”. Failure to observe this caution could result in damage to, and subsequent failure of, Slide-In-Module Power Supply.**

NOTE: With ON/OFF switches set to “OFF”, Slide-In-Module Power Supplies can be “hot swapped”.

***To Remove Protective Plate from Chassis (for installation):***

1. Loosen screw that secures Protective Plate to CPSMC1300 chassis.



2. Pull Protective Plate away from chassis.

***To Remove Slide-In-Module Power Supply from Chassis (for replacement):***

1. Set external 48-VDC power source switch to OFF.
2. Set 48-VDC Slide-In-Module Power Supply power switch to OFF.
3. Disconnect +48-VDC terminal from Media Conversion Center terminal block control marked “+” by turning terminal screw counter-clockwise.

# TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Compliance** | UL listed EN60950; FCC & CISPR class A; CE Mark | |
| **Dimensions** | 3.4" x 2.5" x 11.0" | |
| **Power Input** | 48VDC | |
| **Power Distribution** | Slide-In-Module Power Supplies provide +12VDC at 10.8A maximum. Each Media Converter Slide-In-Module draws a maximum of +12VDC at 0.3A. | |
| **Environment** | Typical Operating Temperature*: | 0-50°C (32° to 122° F ) |
| | Storage Temperature: | -20 to 85°C |
| | Humidity | 10-90%, non condensing |
| | Altitude | 0-10,000 feet |
| **Warranty** | Lifetime | |

*Operating temperature range for this Slide-In-Module depends on the physical characteristics and the installation configuration of the TRANSITION Networks chassis in which this Slide-In-Module will be installed. See the User’s Guide ***for the chassis in which this Slide-In-Module will be installed*** for a discussion of temperature-related installation constraints.

TRANSITION networks

## DECLARATION OF CONFORMITY

Name of Mfg: **Transition Networks**
6475 City West Parkway, Minneapolis MN 55344 USA
Model: **CPSMP Series Slide-In-Module Power Supply**
Part Number: **CPSMP-130**
Regulation: **EMC Directive 89/336/EEC**

Purpose: To declare that the ***CPSMP-130*** to which this declaration refers is in conformity with the following standards.

EMC-CISPR 22: 1985 Class A; EN 55022: 1988 Class A; EN 50082-1:1992; EN 60950 A4:1997; IEC 801.2, IEC 801.3, and IEC 801.4; IEC 950

***I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s) and Standard(s).***

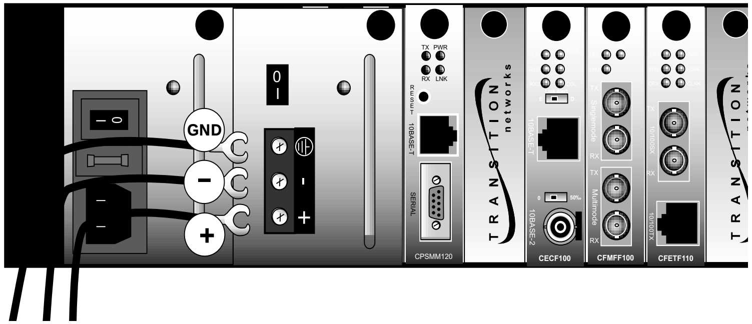
Stephen Anderson, Vice-President of Engineering

_June 8, 2001_____
Date

# CONNECTING 48-VDC SLIDE-IN-MODULE POWER SUPPLY TO EXTERNAL POWER

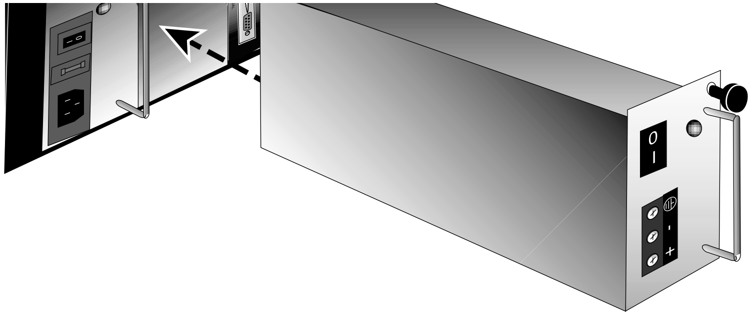
**CAUTION : Ensure that power source is NOT powered and that power ON/OFF switch is set to "0" when connecting to Slide-In-Module Power Supply. Failure to observe this caution could result in damage to, and subsequent failure of, Slide-In-Module Power Supply.**

1. Set 48-VDC Slide-In-Module Power Supply power switch to 0.
2. Connect +48-VDC terminal to Media Conversion Center terminal block control marked "+". Turn terminal screw clockwise to secure.
3. Connect -48-VDC terminal to Media Conversion Center terminal block control marked "-". Turn terminal screw clockwise to secure.
4. Connect ground terminal to Media Conversion Center terminal block control marked "chassis ground". Turn terminal screw clockwise to secure.



5. Set 48-VDC Slide-In-Module Power Supply power switch to I.
6. Verify that Media Conversion Center is powered by observing illuminated Power LED and fan operation.

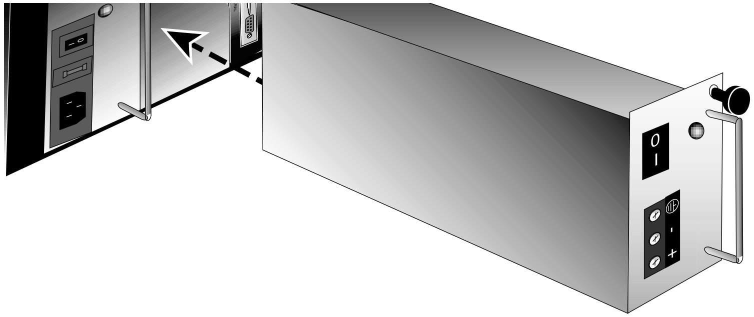
4. Disconnect -48-VDC terminal from Media Conversion Center terminal block control marked "-" by turning terminal screw counter-clockwise.
5. Disconnect ground terminal from Media Conversion Center terminal block control marked "chassis ground" by turning terminal screw counter-clockwise.



6. Remove Slide-In-Module Power Supply to be replaced by loosening panel screw that secures Slide-In-Module Power Supply to CPSMC1300 chassis and sliding Slide-In-Module Power Supply from chassis.

***To Install Slide-In-Module Power Supply in Chassis:***

1. Ensure that ON/OFF switch on Slide-In-Module Power Supply is set to OFF (0).
2. Carefully slide Slide-In-Module Power Supply into installation slot, aligning Slide-In-Module Power Supply with installation guides.



NOTE: Ensure that the Slide-In-Module Power Supply is firmly seated against the chassis backplane.

3. Rotate attached panel fastener screw clockwise to secure Slide-In-Module Power Supply to CPSMC1300 chassis.

# REPLACING 48-VDC SLIDE-IN-MODULE POWER SUPPLY FUSE

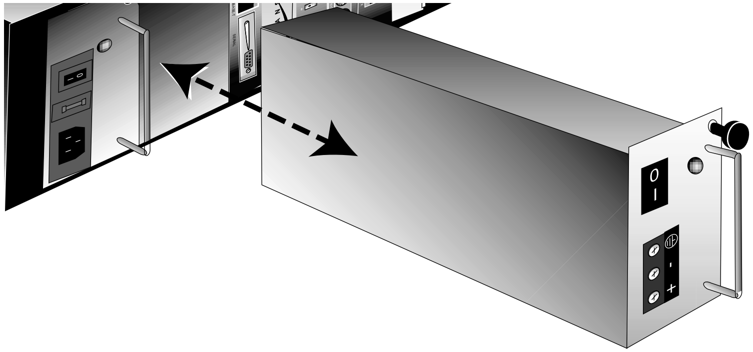
**CAUTION: Wear a grounding device and observe electrostatic discharge precautions when replacing 48-VDC fuse in 48-VDC Slide-In-Module Power Supply. Failure to observe this caution could result in damage to, and subsequent failure of, 48-VDC Slide-In-Module Power Supply.**

**CAUTION: Ensure that ON/OFF switch on Slide-In-Module Power Supply AND ON 48-VDC POWER SOURCE are set to “OFF”. Failure to observe this caution could result in damage to, and subsequent failure of, Slide-In-Module Power Supply.**

**CAUTION: Replace fuse only with same size and rating. Failure to observe this caution could result in equipment damage.**

***To Remove Slide-In-Module Power Supply from Chassis:***

1. Set external 48-VDC power source switch to OFF.
2. Set 48-VDC Slide-In-Module Power Supply power switch to OFF.
3. Disconnect +48-VDC terminal from 48-VDC Slide-In-Module Power Supply terminal block control marked “+” by turning terminal screw counter-clockwise.
4. Disconnect -48-VDC terminal from 48-VDC Slide-In-Module Power Supply terminal block control marked “-” by turning terminal screw counter-clockwise.
5. Disconnect ground terminal from 48-VDC Slide-In-Module Power Supply terminal block control marked “chassis ground” by turning terminal screw counter-clockwise.



6. Remove Slide-In-Module Power Supply by loosening panel screw that secures Slide-In-Module Power Supply to CPSMC1300 chassis and then sliding Slide-In-Module Power Supply from chassis.

***To Replace Fuse on Slide-In-Module Power Supply Circuit Board:***

1. Place 48-VDC Slide-In-Module Power Supply securely on table or other flat, stable surface.
2. Remove cover by removing and retaining five (5) screws that secure 48-VDC Slide-In-Module Power Supply cover to 48-VDC Slide-In-Module Power Supply frame and then lifting cover from frame.
3. Locate fuse installed in fuseholder on 48-VDC Slide-In-Module Power Supply circuit board.
4. Carefully remove fuse from fuseholder.
5. Install ***same size and rating*** replacement fuse in fuseholder.
6. Align 48-VDC Slide-In-Module Power Supply cover against 48-VDC Slide-In-Module Power Supply frame and then replace five (5) screws that secure cover to frame.

***To Replace Slide-In-Module Power Supply in Chassis:***

1. Ensure that ON/OFF switch on 48-VDC Slide-In-Module Power Supply is set to OFF (0).
2. Carefully slide 48-VDC Slide-In-Module Power Supply into installation slot, aligning Slide-In-Module Power Supply with installation guides.

   NOTE: Ensure that the Slide-In-Module Power Supply is firmly seated against the chassis backplane.

3. Rotate attached panel fastener screw clockwise to secure 48-VDC Slide-In-Module Power Supply to CPSMC1300 chassis.